

INTER-OFFICE MEMO **TENNECO CHEMICALS, INC.**

TO H.B. Carr
 FROM F.W. Kanzler
 SUBJECT MONTHLY PROGRESS REPORT
 September, 1973.

AT Burlington

AT Burlington

DATE September 25, 1973

COPY TO R.J. Eckman
 P. Gawason
 H.R. Horton
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 W.E. Stewart
 File

I. ROUTINE ANALYSISA. Raw Material Evaluation

IR Scan	25
Avirol POL-1-N	
Cloud Point	1
% FAS	2
Bottle Polymerization	
(4 runs @ 4 bottles each)	4
RVCM Storage	
Phenol in Copolymer Storage	4
Styrene Monomer Evaluation	5
Lupersol 223M - Assay, A(0)	22

B. In-Process Analyses

Trace Oxygen, Compressor 1	17
" " , " 2	16
" " , " 3	18
" " , " 4	17
" " , " 5	13
" " , " 6	15
COD AI	18
COD FCE	18
% FAS AI	4
% FAS FCE	4

C. Finished Product

Bound Acetate	44
Haze & Gloss	42
Brabender Extruder Gels	26
Total from Section II	315
	52
TOTAL	367

II. SPECIAL TESTING

A. Resin Plant

1. Raw Materials

a. Hormel Gelatin

The multi-batch in-plant evaluation of this raw material has not been completed to date. The initial one batch run performed satisfactorily.

2. In-Process

a. Filter Cloth

The nylon monofilament cloth NY76W42 from TET will be used as the standard cloth in "A" Plant, with an expected cloth life of ten to twelve weeks.

b. Slop Program

As a result of a meeting with Production, Process Engineering and the Pilot Plant, a program will be set up to closely monitor any occurring slop. Details will be worked out with Process Engineering and Production.

c. Residual VCM

The analysis capabilities were improved by increase of the sensitivity to a low as 0.5 ppm of residual VCM in solution. Nitrogen will be evaluated as an alternate carrier gas to further increase sensitivity.

The analyses performed during this report period concentrated as residual VCM determinations in vinyl sheet samples submitted by the Nixon Plant. As in previous analyses, decreasing thickness and aging of the films seem to contribute to reduction of the residual VCM. Furthermore, studies to check reduction of residual VCM during processing were conducted. A method has been written covering the above analyses and a technical report will issue covering the above work.

B. Compound Plant

1. Raw Materials

a. Plasticizer and Lead Analyses

A total of fourteen plasticizers and five lead assays were performed in support of the Compound Plant.

The lead assay will be discontinued temporarily pending the repair of the exhaust hood in the Analytical Laboratory.

C. Flemington Plant

1. Pilot Plant

a. Poly MMA

An analysis determining the Butadiene, MMA monomer and styrene levels was performed on a sample submitted by the Pilot Plant.

D. Miscellaneous

1. Running Account of Analyses

<u>March</u>	<u>April</u>	<u>May</u>	<u>June</u>	<u>July</u>	<u>August</u>
428	446	403	375	275	427

Fred W. Kanzler
F.W. Kanzler

FWK/jst